PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO Complete if Known Application No. 10/765,578 INFORMATION DISCLOSURE Filing Date January 26, 2004 STATEMENT BY APPLICANT First Named Inventor Robert A. York Art Unit 2811 **Examiner Name** Not yet known Attorney Docket Number 22994-08791 of 2 Sheet

U.S. PATENT DOCUMENTS						
		Document No.				
Examiner Initials*	Cite No.1	Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document		
m		US-5,721,700	02-24-1998	Katoh		
;	<u> </u>	US-6,077,737	06-20-2000	Yang et al.		
		US-6,300,654 B1	10-09-2001	Corvasce et al.		
		US-6,383,858 B1	05-07-2002	Gupta et al.		
	<u> </u>	US-6,432,794 B1	08-13-2002	Lou		
\	1	US-6,452,776 B1	09-17-2002	Chakravorty		

			FOREIGN PATENT	OCUMENTS	
		Foreign Patent Document			
Examiner Initials*	Cite No.	Country Code ³ – Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ₀

		OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS				
Examiner Cite Initials* No.'		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazin journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published				
		Acikel, Baki et al., "A New High Performance Phase Shifter using (Ba _x Sr _{1-x} TiO ₃ Thin Films," <i>IEEE Microwave and Wireless Components Letters</i> , Vol. 12, No. 7, July 2002, pages 237-239.				
1		Erker, ErichG. et al., "Monolithic Ka-Band Phase Shifter Using Voltage Tunable BaSrTiO3 Parallel Plate Capacitors," <i>IEEE Microwave and Guided Wave Letters</i> , Vol. 10, No. 1, January 2000, pages 10-12.				
		Liu, Yu et al., "BaSrTioO ₃ Interdigitated Capacitors for Distributed Phase Shifter Applications," <i>IEEE Microwave and Guided Wave Letters</i> , Vol. 10, No. 11, November 2000, pages 448-450.				
		Liu, Yu et al., "High-performance and Low-cost Distributed Phase Shifters Using Optimized BaSrTiO ₃ Interdigitated Capacitors," Electrical and Computer Engineering Dept., Materials Dept., University of California at Santa Barbara, Santa Barbara, CA 93106, 14 pages [online], [retrieved on 2003-06-24]. Retrieved from the Internet <url: http:="" my.ece.ucsb.edu="" publications="" pubs.htm="" yorklab="">.</url:>				

	1		
Examiner Signature	mm	Date Considered	Sup 27 mig

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	Substitute for	form 1449A/P	то	Complete if Known		
INFO	DRAKTIO	N DICC	LOSURE	Application No.	10/765,578	
				Filing Date	January 26, 2004	Ÿ
STATEMENT BY APPLICANT				First Named Inventor	Robert A. York	
				Art Unit	2811	
•				Examiner Name	Not yet known	
Sheet	2	of	2	Attorney Docket Number	22994-08791	

Examiner	Cite	OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, and the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, and appropriate), and item (book), magazine, and appropriate).	70			
Initials*	No.1	journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published				
nn		Padmini, P. et al., "Realization of High Tunability Barium Strontium Titanate Thin Films by RF	1			
		Magnetron Sputtering," Applied Physics Letters, Vol. 75, November 1999, pages 3186-3188.	ļ			
ñ	1.	Serraiocco, J. et al., "Tunable Passive Integrated Circuits Using BST Thin Films," presented at	•			
ľ		IFFF 2002, International Joint Conference on the Applications of Ferroelectrics, Kyoto, Japan,	1			
- 1		May 2002, 10 pages [online], [retrieved on 2003-06-24]. Retrieved from the Internet <url:< td=""><td>1</td></url:<>	1			
- 1		http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm>.	<u> </u>			
		Taylor, T.R. et al., "Impact of thermal strain on the dielectric constant of sputtered barium	İ			
- 1		strontium titanate thin films," Applied Physics Letters, Vol. 80, No. 11, 18 March 2002, pages				
- 1		1978-80.				
		Taylor, T.R. et al., "Optimization of RF Sputtered Barium Strontium Titanate (BST) Thin Films for				
- 1		High Tunability," presented at MRS Conference, Fall 1999, 2 pages [online], [retrieved on 2003-	ļ			
- 1		06-24]. Retrieved from the Internet <url:< td=""><td></td></url:<>				
		http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm>.	ļ			
\top		Taylor, T.R. et al., "RF Sputtered High Tunability Barium Strontium Titanate (BST) Thin Films for				
- 1		High Frequency Applications," presented at ISIF 2000 Conference, Aachen, Germany, March	1			
j	ļ	2000, 2 pages [online], [retrieved on 2003-06-24]. Retrieved from the Internet <url:< td=""><td>1</td></url:<>	1			
İ	İ	http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm>.	_			
1		York, R. et al. "Microwave Integrated Circuits using Thin-Film BST," presented at ISAF	1			
1		Conference, Honolulu, Hawaii, July 21-August 2, 2000, 6 pages [online], [retrieved on 2003-06-	1			
1		24]. Retrieved from the Internet <url: http:="" my.ece.ucsb.edu="" publications="" pubs.htm="" yorklab="">.</url:>	_			
1		York, Robert A. et al., "Synthesis and Characterization of (Ba _x Sr _{1-x})Ti _{1+y} O _{3+z} Thin Films and				
		Integration into Microwave Varactors and Phase Shifters," Journal of Integrated Ferroelectrics,				
		Vol. 34, April 10, 2000, pages 177-188.				
		York, Robert A. et al., "Thin-Film Phase Shifters for Low-Cost Phased Arrays," presented at				
		Workshop on Affordability and Cost Reduction for Radar Systems, Huntsville, Alabama, April				
1		2000 and at URSI Conference, Salt Lake City, Utah, July 2000, 10 pages [online], [retrieved on				
. /		2003-06-24]. Retrieved from the Internet <url:< td=""><td></td></url:<>				
•		http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm>.	L			

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Examiner Signature	1/an In	Date Considered	Sop 27, 2N4

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